5

1. A method of moving an object on a drag plane in a wirtual three-dimensional (3D) space, comprising:

selecting the object using a cursor;

moving the cursor to a location;

creating a reference plane;

projecting movement of the cursor from the location to an interim point on the reference plane;

projecting the interim point onto the drag plane; and displaying the object on the drag plane.

- 2. The method of claim 1, wherein projecting the interim point comprises rotating the reference plane onto the drag plane.
 - 3. The method of claim 1, further comprising:

calculating a first angle between a line of sight and the drag plane, wherein the line of site is a line from a virtual camera to the object; and

determining a drag angle by using a larger angle of the first angle and a predetermined minimum angle.

4. The method of claim 3, wherein the reference plane is created using the drag angle.

5

- 5. The method of claim 3, wherein the drag angle is measured from the line of sight to the reference plane.
- 6. The method of claim 3, wherein the predetermined minimum angle is 30 degrees.
- 7. The method of claim 1, further comprising:

 hiding the cursor from a user's view;

 wherein the object is displayed while the cursor is hidden.
 - 8. The method of claim 7, further comprising: deselecting the object; and displaying the cursor following deselecting.
- 9. The method of claim 8, further comprising:

 moving the cursor to the location of the object, wherein
 the cursor is displayed at the location of the object.
- 10. The method of claim 1, wherein a virtual camera moves to keep the object in a user's view.

5

- 11. An apparatus for moving an object on a drag plane in a virtual three-dimensional (3D) space, comprising:
 - a memory that stores executable instructions; and
 - a processor that executes the instructions to:

select the object using a cursor;

move the cursor to a location;

create a reference plane;

project movement of the cursor from the location to an interim point on the reference plane;

project the interim point onto the drag plane; and display the object on the drag plane.

- 12. The apparatus of claim 11, wherein the processor executes instructions to rotate the reference plane onto the drag plane.
- 13. The apparatus of claim 12, wherein the processor executes instructions to:

calculate a first angle between a line of sight and the drag plane, wherein the line of site is a line from a virtual camera to the object; and

determine a drag angle by using a larger angle of the first angle and a predetermined minimum angle.

- 14. The apparatus of claim 13, wherein the reference plane is created using the drag angle.
- 5 15. The apparatus of claim 13, wherein the drag angle is measured from the line of sight to the modified drag plane.
 - 16. The apparatus of claim 13, wherein the predetermined minimum angle is 30 degrees.
 - 17. The apparatus of claim 11, wherein the processor executes instructions to:

hide the cursor from a user's view;

wherein the object is displayed while the cursor is hidden.

18. The apparatus of claim 17, wherein the processor executes instructions to:

deselect the object; and

display the cursor following deselecting.

19. The apparatus of claim 18, wherein the processor executes instructions to:

10

move the cursor to the location of the object, wherein the cursor is displayed at the location of the object.

- 20. The apparatus of claim 11, wherein a virtual camera moves to keep the object in a user's view.
 - 21. An article comprising a machine-readable medium that stores executable instructions for moving an object on a drag plane in a virtual three-dimensional (3D) space, the instructions causing a machine to:

select the object using a cursor;

move the cursor to a location;

create a reference plane;

project movement of the cursor from the location to an interim point on the reference plane;

project the interim point onto the drag plane; and display the object on the drag plane.

- 22. The article of claim 21, wherein projecting the interim point comprises rotating the reference plane onto the drag plane.
- 23. The article of claim 21, further comprising instructions that cause the machine to:

5

calculate a first angle between a line of sight and the drag plane, wherein the line of site is a line from a virtual camera to the object; and

determine a drag angle by using a larger angle of the first angle and a predetermined minimum angle.

- 24. The article of claim /23, wherein the reference plane is created using the drag angle.
- 25. The article of claim 23, wherein the drag angle is measured from the line of sight to the modified drag plane.
- 26. The article of claim 23, wherein the predetermined minimum angle is 30 degrees.
- 27. The article of claim 21, further comprising instructions that cause the machine to:

hide the cursor from a user's view;

wherein the object is displayed while the cursor is hidden.

28. The article of claim 27, further comprising instructions that cause the machine to:

deselect the object; and display the cursor following deselecting.

- 29. The article of claim 28, further comprising

 5 instructions that cause the machine to move the cursor to the location of the object, wherein the cursor is displayed at the location of the object.
 - 30. The article of claim 21, wherein a virtual camera moves to keep the object in a user's view.